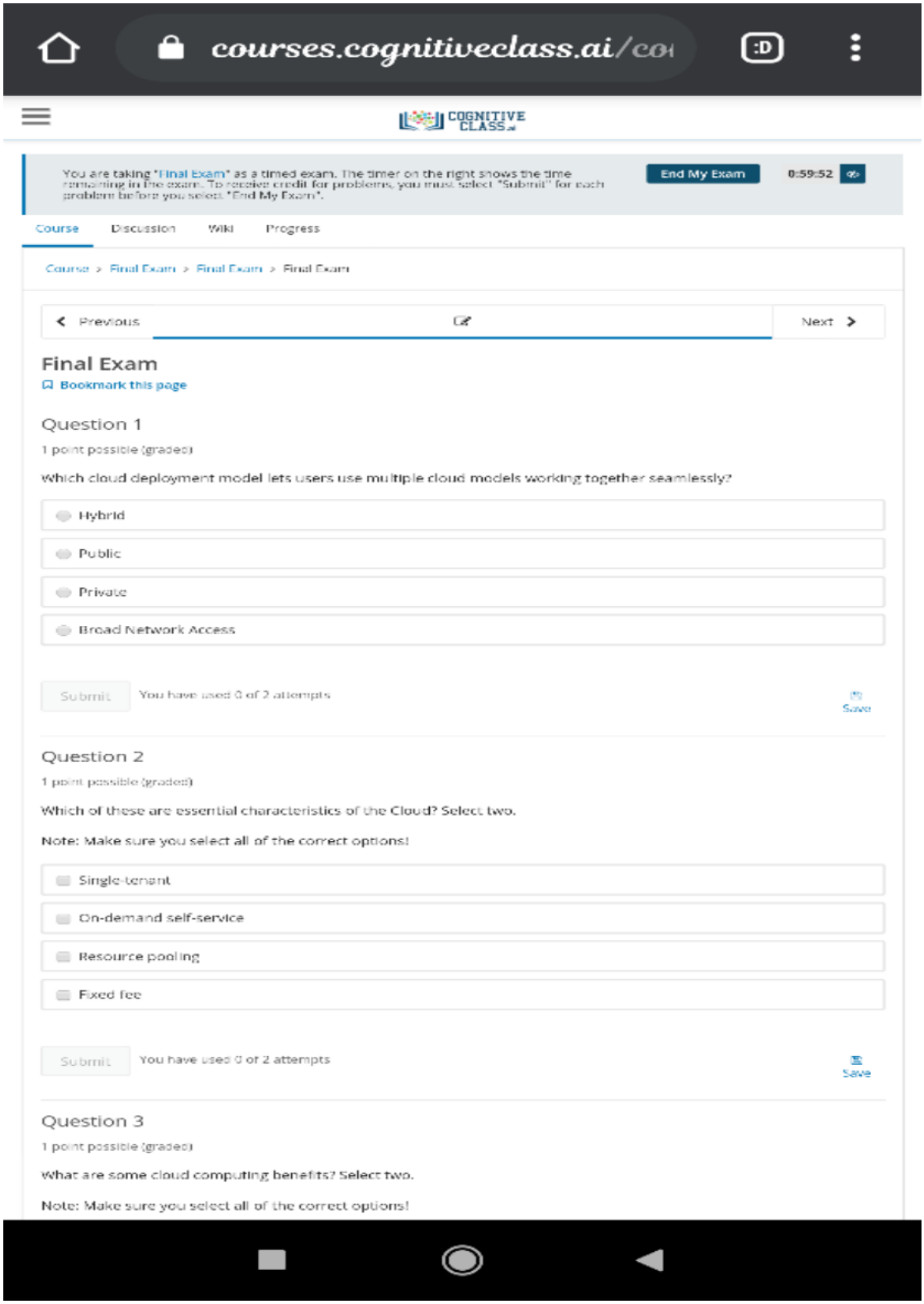
DAILY ONLINE ACTIVITIES SUMMARY

Date:	26-06-2020	Name:	Shetty Sonali
Sem & Sec	VIII Semester & B Section	USN:	4AL16CS123
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Introduction to cloud		
Certificate Provider	Ibm	Duration	1hour
Coding Challenges			
Problem Statement: Sorting elements			
Status: COMPLETED			
Uploaded the report in Github	YES		
If yes Repository name	SONALISHETTY		
Uploaded the report in slack	YES		

Online Test Details:

NIL

Certification Course:



- [x] Each line of code for a microservice needs to be written from scratch

✖

Answer
Incorrect:
Microservices are independent components that can use different stacks and runtime environments for different components. Developers can leverage the vast amounts of code already available as the base of an application, making it possible for them to deploy new functionalities in a matter of days.

Submit You have used 1 of 2 attempts Save

Question 17

1/1 point (graded)

What are the characteristics of a cloud native application?

- ○ Collection of microservices that are built as one huge piece of software
- ○ Collection of microservices that need to be scaled and updated in relation to each other
- ○ Collection of microservices with tightly coupled UI, business logic layer, and data layer
- ◉ Collection of microservices working together as a whole to comprise an application ✔

Answer
Correct:
A cloud native application consists of microservices working together as independent units of software working as a whole.

Submit You have used 1 of 2 attempts Reset

Question 18

0/1 point (graded)

DevOps' tools, practices, and processes are helping tackle some of the complexities and challenges posed by the cloud. Identify two ways in which DevOps is mitigating these challenges. Select two.

Note: Make sure you select all of the correct options!

- [ ] DevOps processes outline the development principles that need to be followed to modernize monolithic applications to cloud native applications
- [ ] By creating an automated deployment pipeline
- [x] By fully automating the infrastructure installation process in a way that is documented, repeatable, verifiable, and traceable
- [ ] DevOps best practices eliminate the need to provision servers, build middleware, and install application code

✖

Submit You have used 1 of 2 attempts Save

END OF EXAM

Coding challenge details:

Program:

```
#include<stdio.h>
                        #include<stdlib.h>
                        int min(int a, int b)
                        {
                          if(a>b)
                             return b;
                          else
                             return a;
                        }


                        // Function to find absolute sum
                        int abs_sum(int arr[], int n)
                        {


                          int sum = 0;
```

```
    sum += abs(arr[0] - arr[1]);
    sum += abs(arr[n-1] - arr[n-2]);


    for (int i=1; i<n-1; i++)
        sum += min(abs(arr[i] - arr[i-1]), abs(arr[i] - arr[i+1])); // Total sum of absolute difference


    return sum;
}


// Function to sort the elements


void sort(int a[], int n)
{
    for(int i = 0; i < n-1; i++)
    {
        for(int j = 0; j < n-i-1; j++)
        {
            if (a[j] > a[j+1])
            {
                int temp = a[j];
```

```
            a[j] = a[j+1];
            a[j+1] = temp;
        }}}}


int main()
{
   int a[20], n, i;
   printf("Enter the number of elements: ");
   scanf("% d", &n);
   printf("Enter the elements: ");
   for(i=0; i<n; i++)
   {
      scanf("% d", &a[i]);
   }
   sort(a, n);
   printf("The minimum sum of absolute is % d",abs_sum(a, n));
   return 0;
}
```